

PLEATED CARTRIDGE FILTERS







polypropylene - glass fiber

The pleated GV-PP cartridge is one of the most efficient filtering elements available on the market. The GV-PP is a highly pleated multilayer pleated cartridge, which provides an exceptional dimensional cut-off for targeted removal of solid particles.

Among its features are:

- High filtering surface (0.6 m² per 10"): Up to 50% more than the cartridges of other comparable sectors, the GV-PP offers higher flow rates and higher dirt build-up capacity.
- GV-PP adopts a technically advanced filter media that can effectively and consistently remove the desired granulometry, however allowing for crossing of smaller, non-damaging particles, thus maximizing filter life.
- All the GV-PP series cartridges are thermally welded instead of glued, thus avoiding the adhesive leaching in the filtered stream - To ensure protection and safety in transportation, storage and handling, each cartridge is packed individually.



OIL & GAS	CHEMICAL & PETROLCHEMICAL	WATER TREATMENT	ENERGY	FOOD & PHARMA	INDUSTRIAL
					

Applications

Oil & Gas

- Refinery Process Fluids • Gas Treatment • Recover Catalysts • Off-Shore Water Injection

Chemical & Petrochemical

- Process Fluids • Gas Treatment • Recover Catalysts • Reagent • Solvent

Water Treatment

- Pre-filtration • Industrial Process Water Filtration • Drinking water • Softening System Protection

Power Generation

- Process Fluids • Gas Separation & Treatment • Water Treatment

Food & Pharma

- Cosmetic • Fermentation • Pre-Prefiltration • Beverage And Water • Dairy

Industrial

- Paints And Inks Production • Mechanic Industry

Technical Data

Micron Ratings (")	0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30, 50, 100
Lengths (")	4 ⁷ / ₈ , 9 ³ / ₄ , 10, 20, 30, 40"
Outer Diameter (")	2.7"
Inner Diameter (")	1.2"
Surface Area (m2)(per 10")	0.6
Maximum Operating Temperature (C°)	82° C at 1 bar
Maximum Sterilising Temperature (C°)	120 max - 5 x 20 minute cycles
Maximum Operating Pressure Differential (bar)	4
Maximum Reverse Pressure Differential (bar)	2
Average Efficiency (%)	96.5

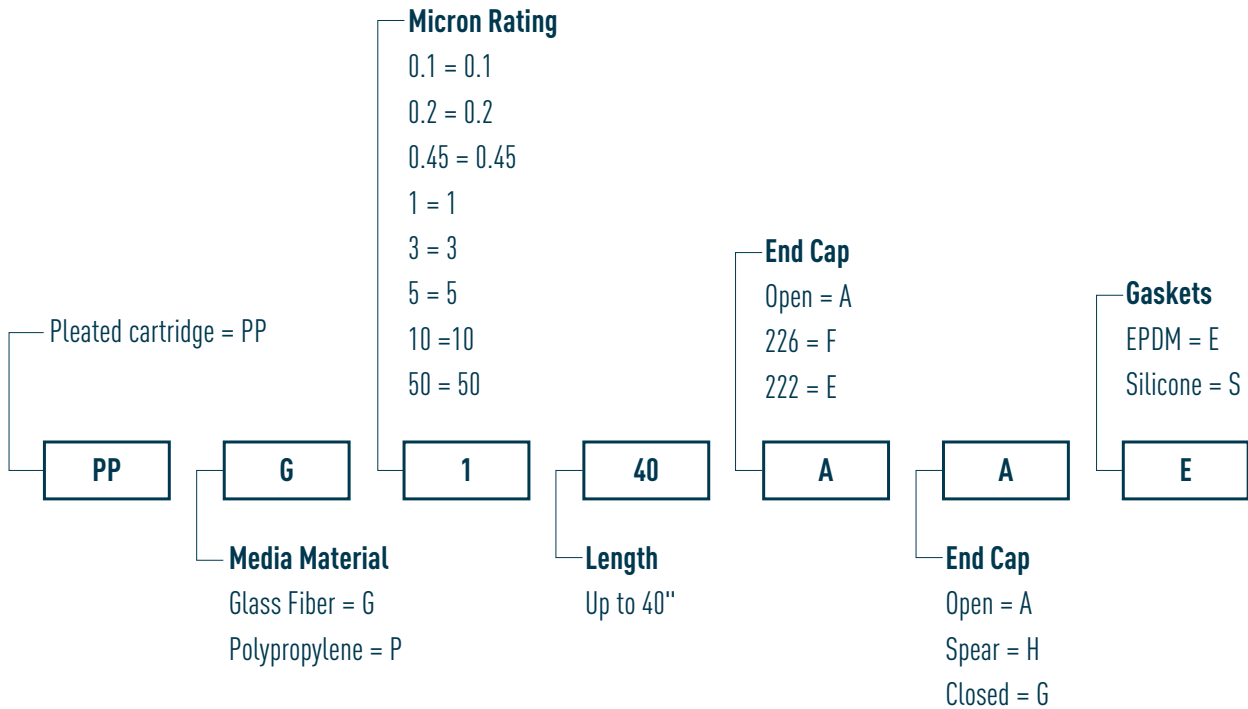
Technical Specification

- Sterilizing with autoclave at 130° C.
- Max operating temperature 80°C (continuous 65°).
- Max pressure loss: 5 bar at 20°C.
- Materials used are suitable for food applications.

Material of Construction

	PPP	PPG
Filter Media	Polypropylene	Glass Microfibre
End Caps	Polypropylene	Polypropylene
Core	Polypropylene	Polypropylene
Cage	Polypropylene	Polypropylene

Ordering Info



* Contact GV Filtri for more information about Materials and Dimensions availability